

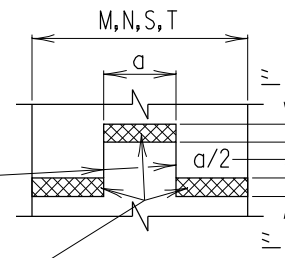
Expansion Joint

SECTION A-A

Scale: None

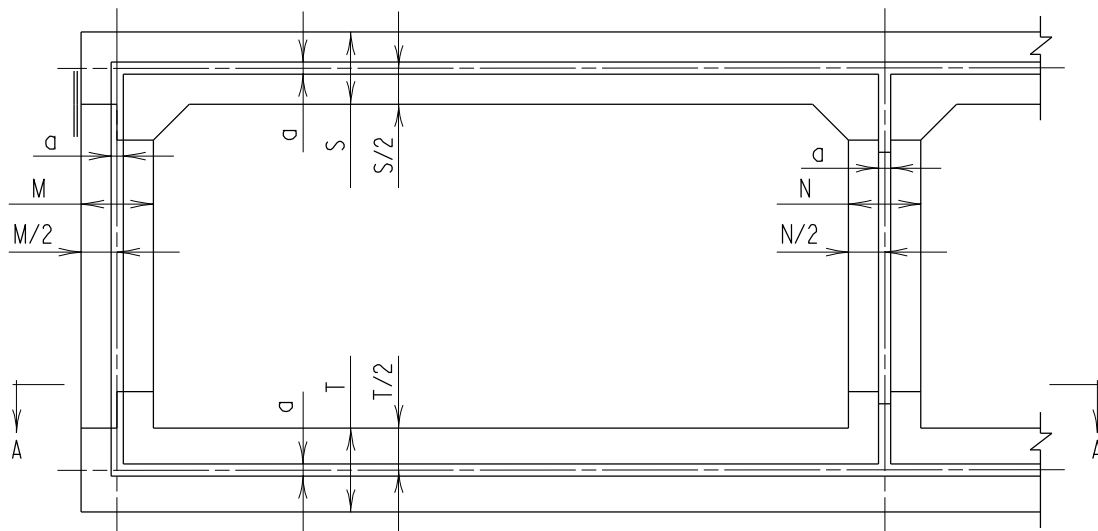
Single layer of tarpaper full length of key. Fasten to concrete with asphaltic cement.

1" Sponge type expansion joint filler material, full length of key. Fasten to one face with copper nails.



TYPICAL SECTION OF WALLS AND SLABS

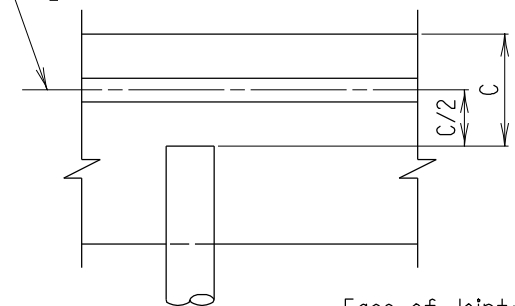
Scale: None



ELEVATION

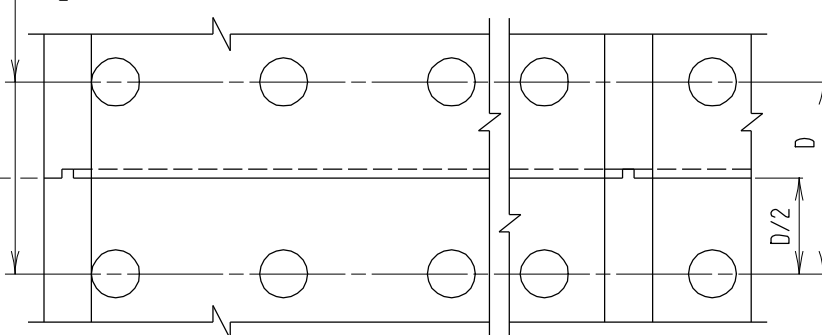
Scale: None

ϕ of Joint



Face of Joint

ϕ of Piles



ELEVATION

VERTICAL LOCATION OF KEY WHEN PILES ARE USED

Scale: None

PLAN

HORIZONTAL LOCATION OF KEY WHEN PILES ARE USED

Scale: None

M, N, S, T	Key Size	
	a	a/2
Less than 12"	3"	1 1/2"
12" to 18"	4"	2"
18" or over	6"	3"

Notes:

1. Reinforcing steel not to pass through joint.
2. When piles are utilized, key in bottom shall be placed midway between top of bottom slab and top of pile vertically, and between rows of piles horizontally. (See Above)
3. All keys are nominal size.

APPROVAL	
<i>L. S. Friedman</i>	DIRECTOR
OFFICE OF BRIDGE DEVELOPMENT	
DATE: 2/23/77	
REVISIONS	
SHA	FHWA
5-25-92	.
11-17-97	.
1-22-01	.
3-22-06	.

FHWA APPROVAL
DATE: 2-25-77

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF BRIDGE DEVELOPMENT

EXPANSION JOINT FOR BOX CULVERT BARREL

STANDARD NO. BC(6.05)-76-36

SHEET 1 OF 1

BOX CULVERT